

Project Title: Role and Regulation of INrf2

PI: Jaiswal, Anil Kumar

Institution: University Of Maryland Baltimore

Grant Number: R01ES012265

These search results have not been confirmed by NIEHS and are therefore, not official. They are to be used only for general information and to inform the public and grantees on the breadth of research funded by NIEHS.

Viewing 17 publications

Print version (PDF)

(http://www.niehs.nih.gov/portfolio/index.cfm/portfolio/grantpubdetail/grant_number/R01ES012265/format/word)

Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
An auto-regulatory loop between stress sensors INrf2 and Nrf2 controls their cellular abundance.	Lee, Ok-Hee; Jain, Abhinav K; Papusha, Victor; Jaiswal, Anil K	J Biol Chem (2007 Dec 14)	282 / 36412-20	PubMed Citation
An autoregulatory loop between Nrf2 and Cul3-Rbx1 controls their cellular abundance.	Kaspar, James W; Jaiswal, Anil K	J Biol Chem (2010 Jul 9)	285 / 21349-58	PubMed Citation
Antioxidant-induced INrf2 (Keap1) tyrosine 85 phosphorylation controls the nuclear export and degrad ...	Kaspar, James W; Niture, Suryakant K; Jaiswal, Anil K	J Cell Sci (2012 Feb 15)	125 / 1027-38	PubMed Citation
Aromatase Inhibitor-Mediated Downregulation of INrf2 (Keap1) Leads to Increased Nrf2 and Resistance ...	Khatri, Raju; Shah, Preeti; Guha, Rupa; Rassool, Feyruz V; Tomkinson, Alan E; Brodie, Angela; Jaiswal, Anil K	Mol Cancer Ther (2015 Jul)	14 / 1728-37	PubMed Citation
GSK-3beta acts upstream of Fyn kinase in regulation of nuclear export and degradation of NF-E2 relat ...	Jain, Abhinav K; Jaiswal, Anil K	J Biol Chem (2007 Jun 1)	282 / 16502-10	PubMed Citation
Hsp90 interaction with INrf2(Keap1) mediates stress-induced Nrf2 activation.	Niture, Suryakant K; Jaiswal, Anil K	J Biol Chem (2010 Nov 19)	285 / 36865-75	PubMed Citation
Inhibitor of Nrf2 (INrf2 or Keap1) protein degrades Bcl-xL via phosphoglycerate mutase 5 and control ...	Niture, Suryakant K; Jaiswal, Anil K	J Biol Chem (2011 Dec 30)	286 / 44542-56	PubMed Citation
INrf2 (Keap1) targets Bcl-2 degradation and controls cellular apoptosis.	Niture, S K; Jaiswal, A K	Cell Death Differ (2011 Mar)	18 / 439-51	PubMed Citation
Nrf2 signaling and cell survival.	Niture, Suryakant K; Kaspar, James W; Shen, Jun; Jaiswal, Anil K	Toxicol Appl Pharmacol (2010 Apr 1)	244 / 37-42	PubMed Citation
Nrf2-induced antiapoptotic Bcl-xL protein enhances cell survival and drug resistance.	Niture, Suryakant K; Jaiswal, Anil K	Free Radic Biol Med (2013 Apr)	57 / 119-31	PubMed Citation
Nrf2:INrf2 (Keap1) signaling in oxidative stress.	Kaspar, James W; Niture, Suryakant K; Jaiswal, Anil K	Free Radic Biol Med (2009 Nov 1)	47 / 1304-9	PubMed Citation
Oncogene PKC ϵ controls INrf2-Nrf2 interaction in normal and cancer cells through phosphorylation of ...	Niture, Suryakant K; Gnatt, Averell; Jaiswal, Anil K	J Cell Sci (2013 Dec 15)	126 / 5657-69	PubMed Citation

Phosphorylation and dephosphorylation of tyrosine 141 regulate stability and degradation of INrf2: a ...	Jain, Abhinav K; Mahajan, Shilpi; Jaiswal, Anil K	J Biol Chem (2008 Jun 20)	283 / 17712-20	PubMed Citat
Phosphorylation of tyrosine 568 controls nuclear export of Nrf2.	Jain, Abhinav K; Jaiswal, Anil K	J Biol Chem (2006 Apr 28)	281 / 12132-42	PubMed Citat
Prothymosin-alpha mediates nuclear import of the INrf2/Cul3 Rbx1 complex to degrade nuclear Nrf2.	Niture, Suryakant K; Jaiswal, Anil K	J Biol Chem (2009 May 15)	284 / 13856-68	PubMed Citat
Regulation of Nrf2-an update.	Niture, Suryakant K; Khatri, Raju; Jaiswal, Anil K	Free Radic Biol Med (2014 Jan)	66 / 36-44	PubMed Citat
The transcription factor NF-E2-related factor 2 (Nrf2): a protooncogene?	Shelton, Phillip; Jaiswal, Anil K	FASEB J (2013 Feb)	27 / 414-23	PubMed Citat